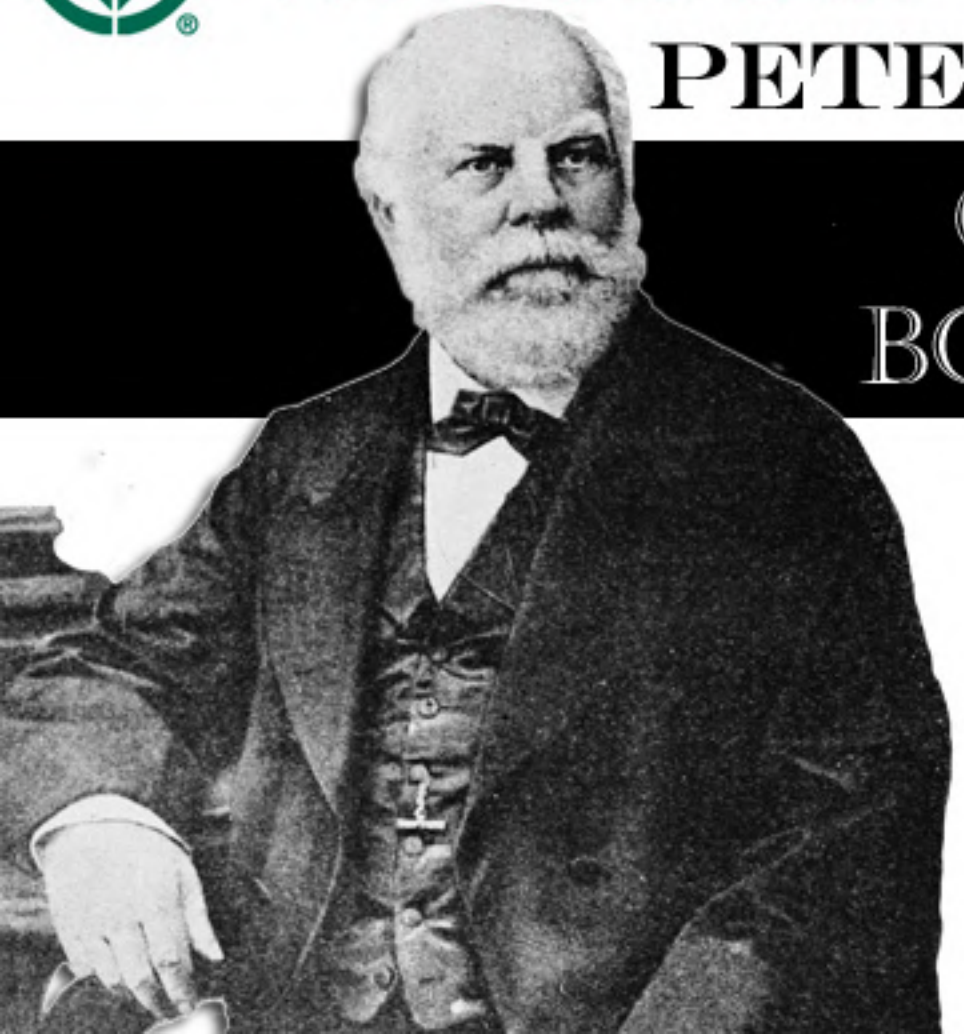
Missouri Botanical Garden

Peter H. Raven Library

George Engelmann Botanical Notebooks



Pagination Note:
Since many of the items lack a specific page number, the page number displayed online refers to the sequentially created number each item was given upon cataloging the materials.

For Dr Palmer 1867 ?

Opuntia marked 100 "fleshy cactus with small pink fl. open at night – green pulpy fruit" – Camp Grant. The largest specimen sent, – How large does the plant grow? how tall? when is the fruit ripe? (flowers may 15) is it soft and pulpy, not dry like some others? Are the flowers really open only at night? closed in day? – It is not known of any Opuntia, thus far – but you marked the same remark, in regard to the shrubby cactus with red berries – small greenish flowers. You know that most of them open towards noon and close towards evening.

You recollect No 600, low, 8 or 10 inches high, no plant gathered – fl. May 15th – when was the fruit collected? was it dry or fleshy? – You sent it in a tin box

You also recollect the plant marked 800 found May 15 – fl. & fruit on a scout – flower not pressed, in a box, large, pink – What was the size of the plant – high, low, bushy or prostrate? was the fruit gathered at the same time – perhaps remaining from last year? May that not be the case with others that are gathered in fruit early in the season? Many Opuntias do that!

Do you recollect the Opuntia common about Whipple Cove, sent plants (dead) but no flower or fruit was gathered by either of you; in his notes he says, it is a very common bushy scraggy species – Do you recollect the flower? You must have seen it. It was first found in Whipple Exp. and named by me O. Whipplei – but have never seen flower of it. I suppose it must have a large red flower, and

8187

must resemble on the whole your Nr 103 from Tucson (a wide branching bush, with bright purple flowers) — this seems only larger than the Prescottt plant.

You recollect the two Opuntia with flat joints growing both at Camp Grant with Cereus gigantea — are both equally tall ? is one always so much more spiny than the other ? how tall do they grow ? Do they have round trunk ?

The flowers of both I can not distinguish — but the fruit of the spiny one is much smaller and slenderer than that of the other one. Always ? — When were the fruits collected ?

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Opuntia

№ 3. S. E. Palmer, St George, Utah, June 1877

Prostrate, joints ovate (5/8 × 4 inches) thick (about 1/2 inch) smooth, not tubercled;

areolae 10 – 12 lines apart, 2 or upper ones 3 lines wide, with brownish gray (concentric persistent) and numerous yellowish bristles, especially on upper edge.

Spines on lower edge mostly 2 or 3 slender 1 – 2 or 2½ inches long, angular and soft twisted, often a few additional smaller ones, all deflexed almost appressed

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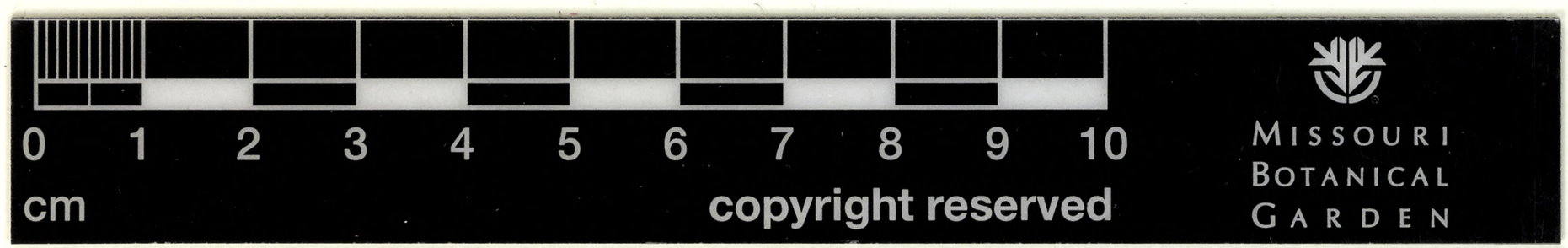


Opuntia

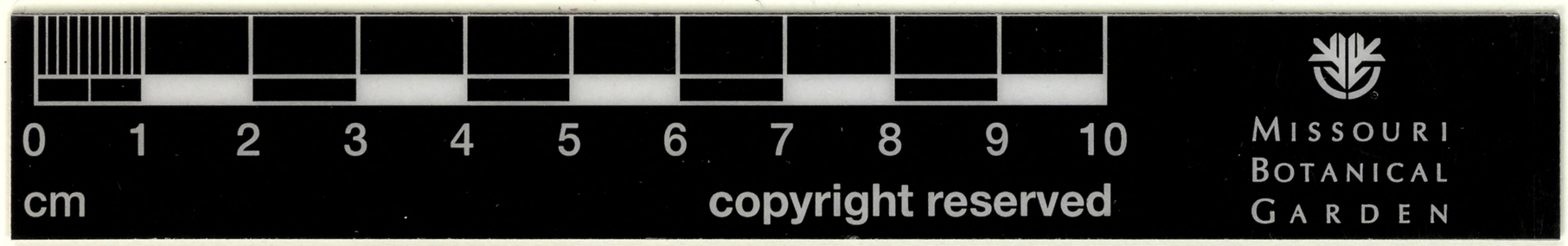
L E Palmer, St George, Utah

June 1877

One joint oval (6/2 × 9 inches) smooth (not Tubercled) pale glaucous

Areolae 12–15 lines apart, about 3 lines diameter, circular; with pale brownish or gray persistent wool and few and very slender straw colored bristles — all armed

Spines slender (1–1¼ inch long) terete or flattened, or compressed, straw colored on upper areolae 5–7 and some smaller ones (on lower ones 1–3 mostly deflexed upper ones (from upper part of areola) erect or spreading.



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That as a mark of sympathy a copy of these resolutions be communicated to the family of the deceased.

A letter was read from Prof. Spencer F. Baird, of Washington, D. C., relating to the publication of condensed abstracts of the proceedings of scientific societies in the New York "Tribune." The matter was referred to the Recording Secretary, with liberty to furnish such abstracts of our proceedings as he might deem proper.

A letter was read from Dr. Joseph S. Copes, of New Orleans, acknowledging his election as a corresponding member.

A letter was received from Henry Dexter, Esq., of Cambridge, Mass., offering to furnish the Academy with a duplicate in plaster of Paris of his bust of Agassiz, at the price of $25. The Corresponding Secretary was authorized to order a copy.

Exchanges received were laid upon the table.

The Corresponding Secretary submitted his Annual Report for the year 1873, which was read and accepted.

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We have received publications in exchange, during the year, from Foreign Societies, and from 24 Home Societies, on our List of Exchanges, and also donations of 64 volumes and pamphlet publications from about 50 individual donors, not upon the regular List of Exchanges.

From these Foreign Societies we have received about 480 volumes and numbers, and from the Home Societies on the list, about 80 volumes and numbers; making approximately, a total of—Foreign 480, Home 80, Individuals 64—624 volumes and numbers as an addition to the Library.

And besides these some volumes and numbers have been directly presented at the meetings of the Academy, which are not entered on my record, but go directly to the Librarian.

The number of corresponding members on our list (and still living so far as can be ascertained) is 115, of which three have been elected during the past year. The number already marked deceased is 30.

Of No. 1 of vol. iii. of the Transactions, there have been distributed through the Corresponding Secretary, to exchanges 279 copies, extras 16, —total 295. Copies sold, of all numbers, 18—total disposed of 313. Full sets donated to new Societies, 7 equal to 56 numbers—grand total (nearly) 369 numbers.

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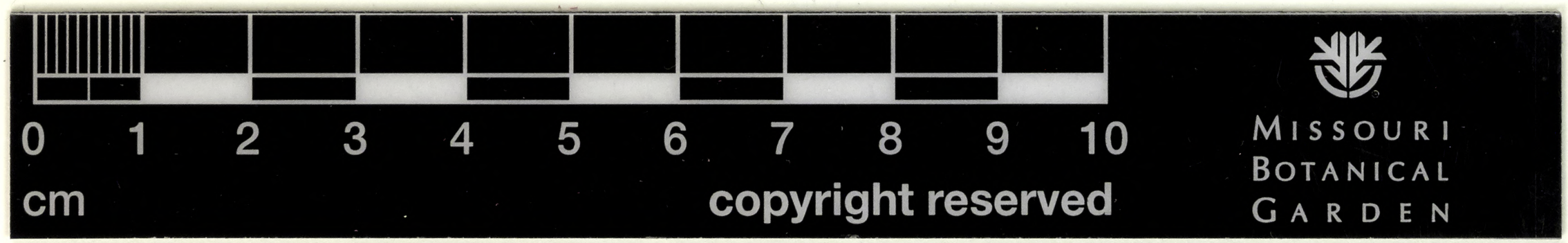
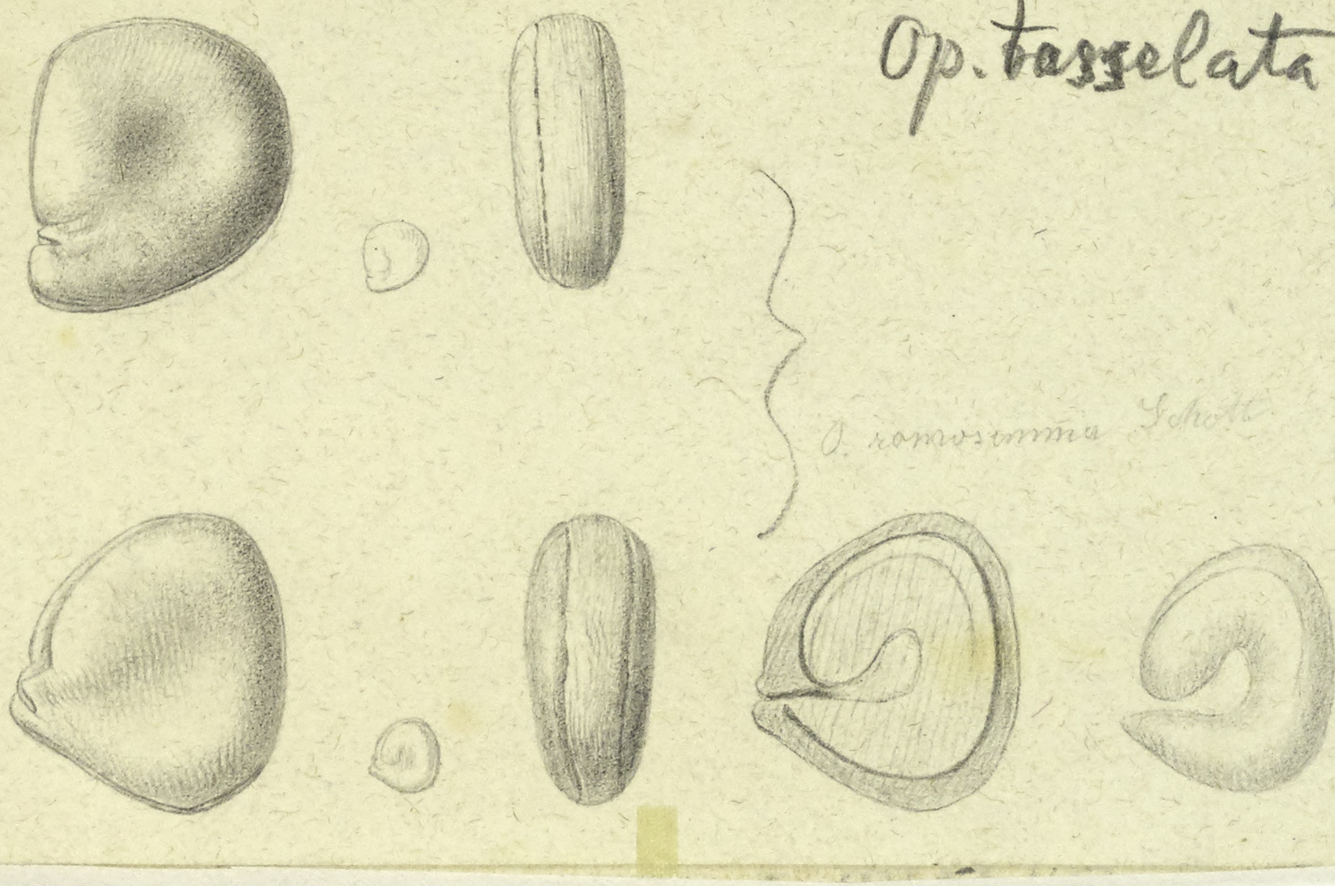


O. ramosissima Schott

Op. tasselata E.



O. ramosissima Schott

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APOTHECAR Y,

CORNER OF SECOND AND WA LNUT STREETS,

UNDER BARNUM'S HOTEI

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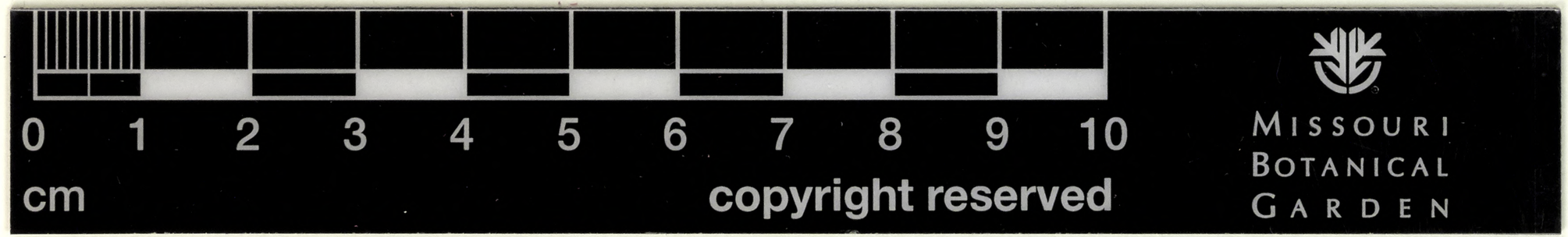
Opuntia tessellata, flowers one inch in diameter, pale yellow or yellowish green — (Dr Cooper — Hb. Gray)



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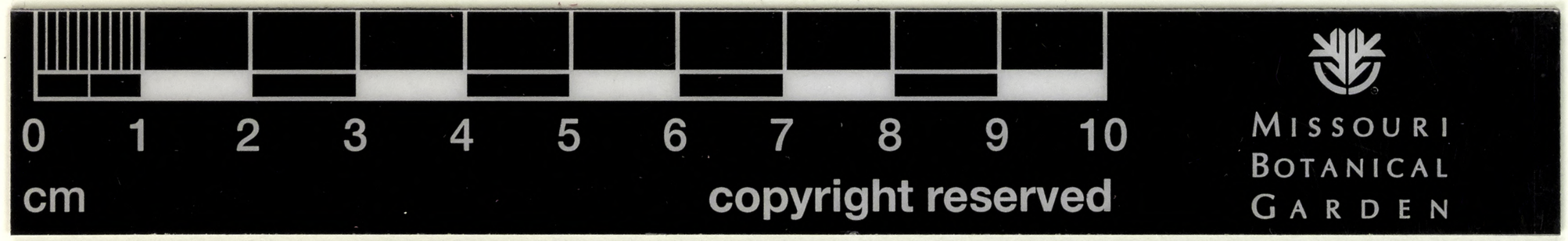

Cyclosporites

F. Bischoff Asijano 1871

May 26 '76

mark X

50-60 areolæ on frond

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$\times \frac{7}{18}$

x 4

Linea Commissuralis

first Coals. Diffs from Whipple

Alex. Leitch,

APOTHECARY & CHEMIST,

Cor. 4th & Olive Sts., St. Louis.

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April 23 1873

Glandopsis ?

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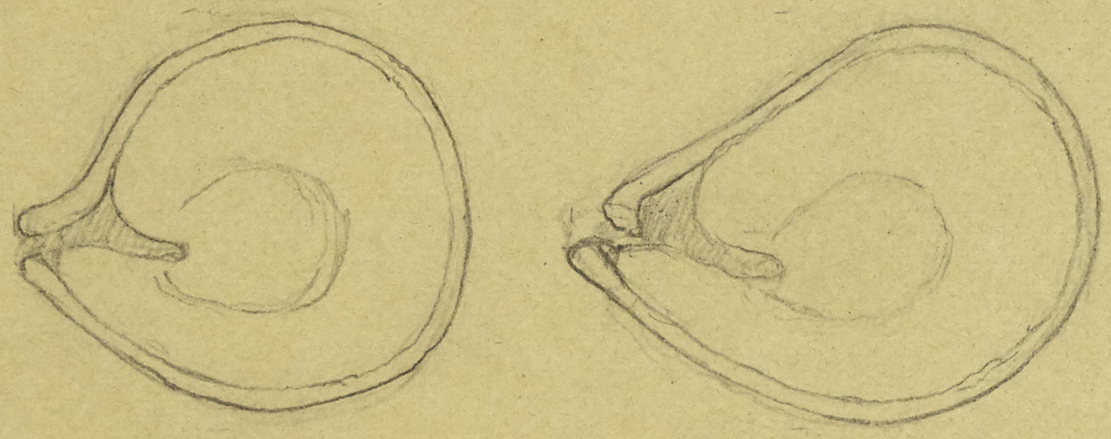
3 3¼

Gasse sinon, Anjou. TB. Bidentoff
O. Whipplei ?

×8



red = O. Whipplei
but berg dry
with more reniform
closer, more
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Alex. Leitch,
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Cor. 4th & Olive Sts., St. Louis.

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Gabb's Cotaxee, Lone Cabin

Cylindropuntia, 4 inches ⊙ 1867
10 lines ± diameter, fruit green joint
Tubercles low, 8-9 lines long
= 9/11 or rather 7/18 arranged
4 × 7 spirals, not prominent
Spines slender, 6-9 l. ⊙
with brownish yellow sheath
3-5 lateral ⊙ below, one
central; areolæ rusty-
brown; with small bunch
of very pale yellow, short
bristles at upper edge

Berlin June 1867

Gott. Ludwig Rudolph Goffs

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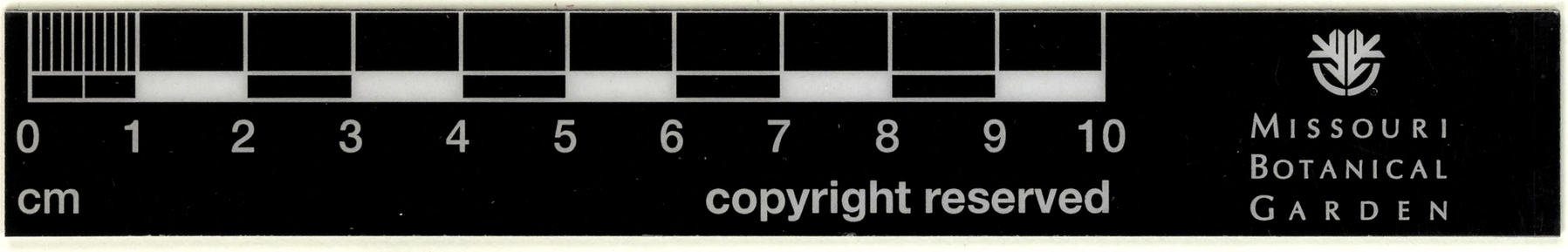
Cactaceae of the
California
Peninsula
Wm M Gabb 1867

25 Cylindropuntia (Opuntia) tesselata Eng?

Grows 3 or 4 feet long, usually climbing into some bush for support; stem rarely so much as an inch in diameter, woody; profusely branched, branches never more than ½ inch thick; joints often 6 or 8 inches long and but little contracted at the ends. Fruit small, regularly conical, mamillated and with the usual hair like spines

Most common in the Southern half of the Peninsula in sandy thickets

Mr Gabb thinks it quite distinct from O. prutescens.



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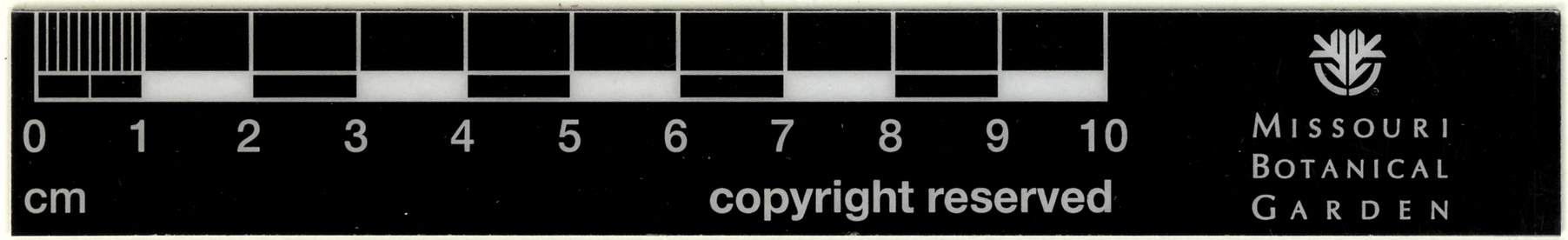
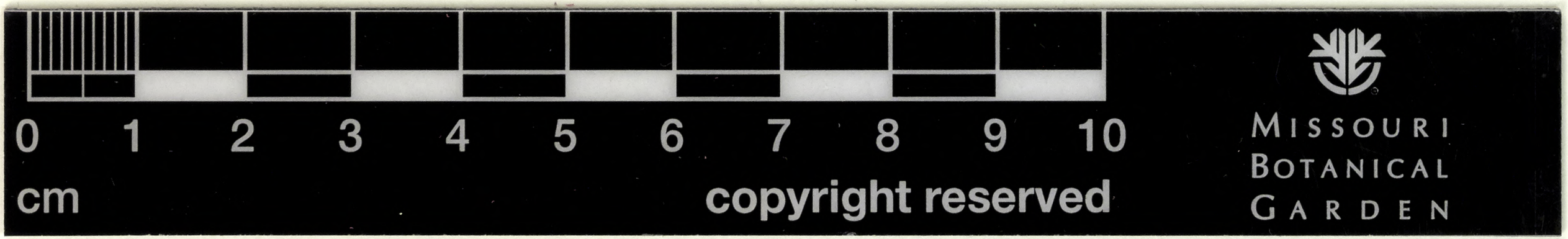
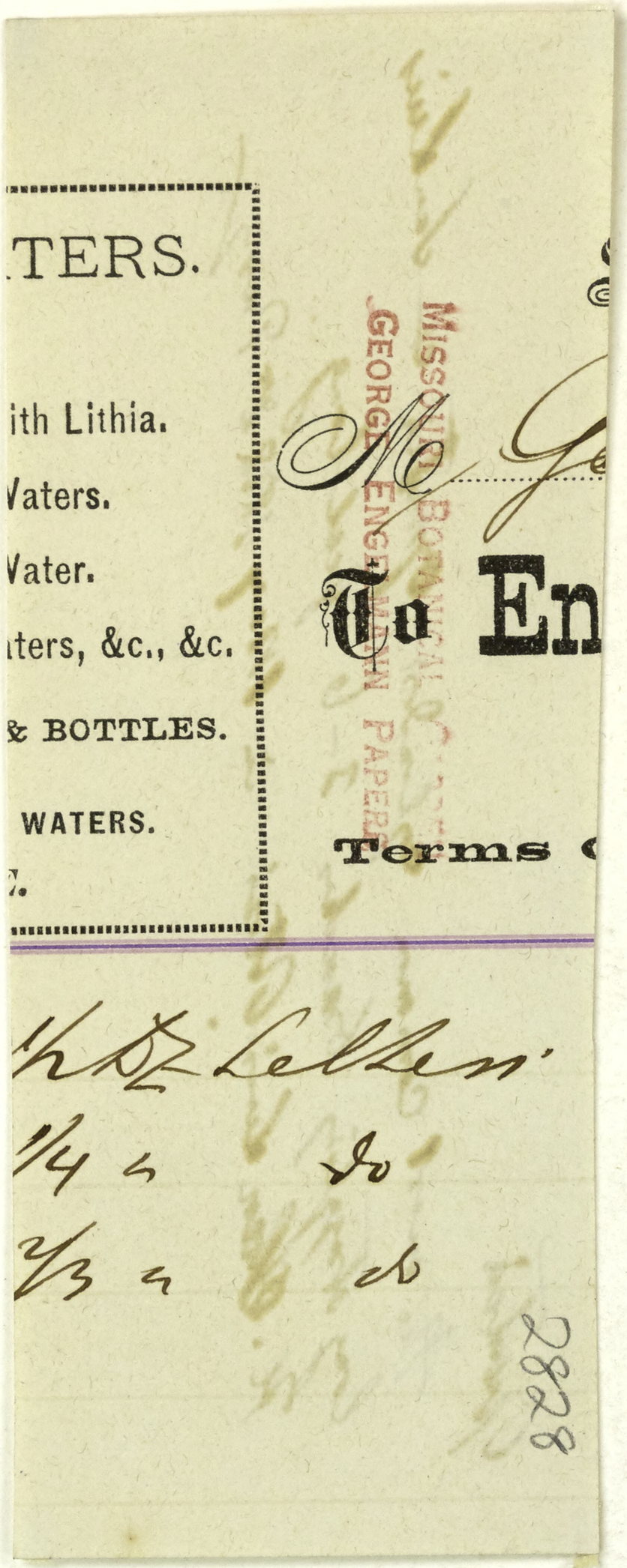


Opuntia

The most common cylindric Opuntia at San Luis
long straggling branches 3–6 feet long.
H. San Luis Potosi in May 1878 Dr Parry





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Cactaceae of the Californian Peninsula
Wm M Gabb 1867

No 24 Cylindropuntia (Ciribe)

Shrub, very arborescent, robust, densely branched – rarely more than 3 feet high but very compact – trunk & segments thicker in proportion than the other species. Specimen yet alive enough for propagation. Flower yellow; fruit a little smaller than Chorea and covered with small rhomboidal mamillae bears the same relation to the joint as exists between fruit and joint of Chorea. Fruit observed between Comonda and Loreto. Extends north to beyond Rosario.

Dec?
= Berlin?

Cylindropuntia N. 24 "Ciribe"
Joint obovate, 2 inches long, 15 l. diam
Tubercles rounded, angular –
ob ovate, 3 lines long
6–10 rows most
prominent; 10/16 arranged;
areolae circular
obovate, with 2–5 wide-spreading
spines, glistening pale yellow,
6–8 l. long, & 4–6 small
dark, bristly ones with
on the lower narrow part of areola
on the upper edge of lower
areolae some bristly

At Haseloffs' Berlin June 5 1869

On the first of July last year I left with Mr Haseloff some Cactaceae, of which now one thriving,
1, Opuntia (Cylindropuntia) N. 24 "Ciribe"
an original ovate joint – making now a long shoot
with extremely small, slender leaves 4 1/4 rarely
one line long.

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3830

12

except for propagation. Flower yellow — fruit a little smaller than Clerca & covered with small rhomboidal mamillae — bears the same relation to the leaf as exists between fruit & leaf of Clerca. First observed between Comanche & [illegible]

3829

Cactaceæ of the
Californian
Peninsula
Wm M Gabb 1867

26 Cylindropuntia (Tasajo)

Grows in little clumps of a foot or less across,
woody stem very short, joints slender and not
distinctly marked. Flower simple, bell shaped,
yellow

Grows among rocks especially towards the
West Coast and in the more central portions of
the Peninsula

Specimen alive, taken to Berlin, where it was in
Cultivation at Haselof's in July 1869

?

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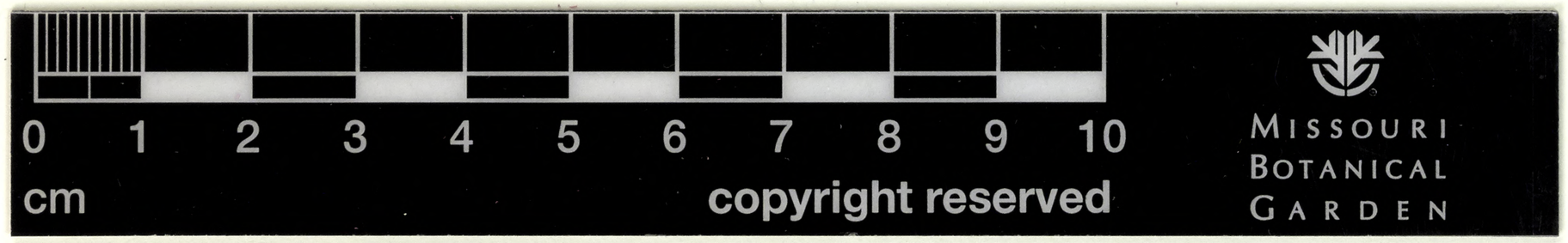


Gabb No 23

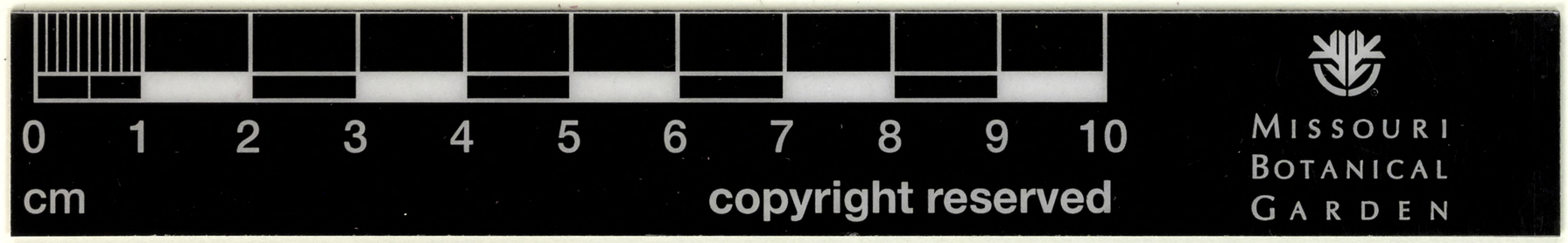
Opuntia (Cylindropuntia) clavellina Eng. n. sp.

Gabb. Calif. Peninsula
1867

" Clavellina" nom. loc.

frutescens, articulis gracilibus clavatis, longitudo tuberculatis aculeis plurimis longis robustis, fasciis pectinatis - seu fulvo - vaginatis; centrali longiore porrecto; floribus flavis, baccis clavatis, abbreviatis, tuberculatis.

Western Slope of the Peninsula, near Mission Purissima. "On Volcanic tables". - Scarcely more than 3 feet high, joints 2-4 inches long, 1/2 inch diameter, spines 1/2-1 1/2 inches long 3-6 together. - A small joint before me 1 1/2 inch long, bears 13 elegant tubercles in 3/8 arrangement.



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No 23 Cylind
allied to 22
Sander, segments
Sander - spines ve
but not more tha
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rtaceae of the
liforn'an
Peninsula
Gabb 1867

No 23 Cylindropuntia (Clavellina)

Allied to 22 but rarely more than 3 feet high, more slender, segments rarely more than 3 or 4 inches long & slender – spines very long & hard as in specimen – flowers yellow fruit not more than an inch long, conical & strongly mamillated. W. slope near Purissima Mission in Vole. Stables

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Mesa Verde, Nova & Ryan Rosario.

No 25 Cylindropuntia (Alcajera)

Grows 3 or four feet long, usually climbing into some bush for support; trunks or stem rarely so much as an inch in diameter, woody – profusely branched, branches never more than ½ an inch thick, segments often 6 or 8 inches long & 1 or 2 litt

Most common in the Southern half of the peninsula in Sandy thickets

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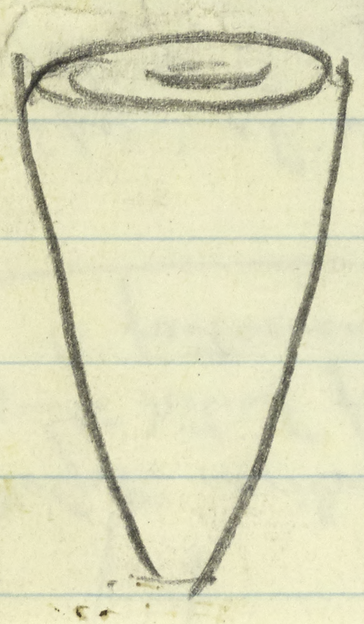
at Hasloffs Jan 1867

Californian
Peninsula
Wm M Gabb 1867



No 22 Cylindropuntia Clavellina

Closely resembly preceding in habit except that it is more slender, branchy in a more open manner, the segments big longer & more slender. Stem more regularly cylindrical & covered with a smooth (sometimes polished) bark instead of the rough knotted & gnarled bark of the Cholea. Fruit smaller & more conical, sides nearly straight instead of nearly semiglobular as in Cholea. Found most commonly on the E. slope between Loreto & Molegé.

Opuntia (Cylindropuntia) clavellina N. 22"

more elongated habit of arborescent or substrate very long slender very short with longer leaves

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but little contracted at the ends – joints small, regularly
conical, mamillated & with the usual hair like spines.

Mr Gabb considers it quite distinct from O. fruticosa

No 25 Cylindropuntia (Tasajo)

Grows in little clumps of a foot or less across, woody
stem very short; segments slender & not distinctly marked

Specimen taken to Europe

Flower simple, bell shaped, yellow – Grows among rocks
especially towards the W. Coast & in the more central portions
of the peninsula.

In the above notes, I have embodied all the information I

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